

## 700 MATERIAL DETAILS

Materials shall conform to the stated requirements and/or the requirements of the referenced specifications including modifications as noted.

*Copies of all Supplemental Specifications referenced in this section are on file with the City of Columbus Transportation Division.*

### 704 - MASONRY UNITS

**704.01 Clay or Shale Brick.** Provide clay or shale brick conforming to ASTM C 32, with the following modifications:

4.1 Provide bricks of such size and shape as to allow their incorporation in the structure in conformance with the specified dimensions of the structure.

6.1 If necessary for approval, obtain samples from material delivered to the project site or at other locations designated by the City.

**704.02 Concrete Brick.** Provide concrete brick conforming to ASTM C 55, Type II (Grade N-II or S-II), with the following modifications:

5.1.1 and 5.1.2 Use cement conforming to 701 Portland Cement.

5.2 Use aggregate that conforms to the quality requirements of 703.02.

9.1 If necessary for approval, obtain samples from material delivered to the project site or at other locations designated by the City.

9.2 Sample and test the brick according to ASTM C 140. Provide bricks of such size and shape as to allow their incorporation in the structure in conformance with the specified dimensions of the structure. Bricks shall have a rectangular cross-section with square corners. Ensure that the ends, edges, and one face are plain surfaces.

**704.03 Concrete Masonry Blocks.** Provide concrete masonry blocks conforming to ASTM C 139, with the following modifications:

7.1 If necessary for approval, obtain samples from material delivered to the project site or at other locations designated by the City.

Provide blocks of such size and shape as to allow their incorporation in the structure in conformation with the specified dimensions of the structure.